PDR RID Report

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Section **Page** **Figure** **Table**

Category Name Design-Planning **Actionee** HAIS
Sub Category
Subject Run-time/user-supplied parameters

Description of Problem or Suggestion:

Do not see requirements or design for “run-time parameters”; specifically, two things are needed:

1) A means for a user to supply input parameters at the time of submitting a data request (such as a field on the appropriate data request form)

2) A means for this input parameter to be passed to the appropriate PGE at runtime

Note that this problem was captured (and, I think, closed) in some earlier review. The solution has somehow been dropped.

Originator’s Recommendation

Add these capabilities.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Eisenstein **HAIS Schedule** 4/21/95
HAIS R. E. J. Martin **HAIS Response Date** 5/10/95

Run time parameters are required to support on-demand production requests to the ECS. This is a release B capability and so will be addressed in detail in the release B design. However, we can outline the capabilities that will be provided at this time.

The run time parameters are to be entered at an ECS client desktop, using a configured interface. The data dictionary service will be used to provide a user with a description of the parameters required, as well as default values, and valid ranges. The parameters are validated at the client, and passed to the data server in the data server request. The data server forwards the parameters to the planning sub-system in a production request.

The production request is decomposed in the planning sub-system to describe the individual PGEs requiring to be run to fulfill that request. The relevant run-time parameters from the production request are associated to the PGE together with the required input data items and resource requirements, these are communicated to the processing sub-system in a data processing request. Within the processing sub-system these parameters are made available to the executing PGE via a toolkit interface.

There will be support for operator entry of production requests at Release A, and the toolkit interface for run-time parameters is already available. Therefore the system will be able to support algorithm integration and test for algorithms requiring run-time parameters in a schedule compatible with the instrument team requirements.

Status **Closed** **Date Closed** **5/24/95** **Sponsor** **Kempler**

****** **Attachment if any** ******

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